19970720.qrp qrp-por0.792
>From owner-qrp-l@Lehigh.EDU Sat Jul 19 18:04 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
>   by uro.theporch.com (8.8.7.Beta2/A-UX-3.1.1) with ESMTP id SAA23598
>   for <shimshon@uro.theporch.com>; Sat, 19 Jul 1997 18:03:57 -0500 (CDT)
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
>   by sco.theporch.com (8.8.7.Beta2/SCO-5.0.2-anti-spam) with ESMTP id XAA27497
>   for <shimshon@theporch.com>; Sat, 19 Jul 1997 23:03:50 GMT
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<34888-36692>; Sat, 19 Jul 1997 19:03:16 -0400
>Date: Sat, 19 Jul 1997 19:03:12 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 792
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jul19.190316edt.34888-36692+83@fidoii.cc.Lehigh.EDU>
>Status: O

QRP-L Digest 792

Topics covered in this issue include:

  1) [23312] Re: Wanted: Mnemonic for color code
     by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
  2) [23313] Re: Ni-MH Battery Info Needed
     by gsurrency@juno.com (Gary L L Surrency)
  3) [23314] Callsign Lookup/WM7D
     by n4so@juno.com (charles k brown)
  4) [23315] Re: QRP-L Stats
     by "Michael A. Gipe" <mgipe@reliablemeters.com>
  5) [23316] Re: ANTENNA TUNING
     by Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
  6) [23317] Re: QRP-L Stats
     by "ukii" <ukii@Megsinet.net>
  7) [23318] 2N7000 pinout?
     by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
  8) [23319] Re: Wanted: Mnemonic for color code
     by Chris Trask <ctrask@primenet.com>
  9) [23320] Re: QRP-L Stats
     by Ed Loranger <we6w@qsl.net>
 10) [23321] Re: 2N7000 pinout?
     by "Michael A. Gipe" <mgipe@reliablemeters.com>
 11) [23322] Online CW Course
     by adams@chuck.dallas.sgi.com (Chuck Adams)

12) [23323] Re: Ni-MH Battery Info Needed
    by d.nordquest@juno.com
13) [23324] Re: QSLing
    by "Marshall Emm" <mgemm@mtechnologies.com>
14) [23325] Re: 2N7000 pinout?
    by Roger Hightower <n7kt@dancris.com>
15) [23326] Re: QSLing
    by Roger Hightower <n7kt@dancris.com>
16) [23327] Re: Wtd: 40m rcvr
    by haf47@juno.com (Howard Friedman)
17) [23328] Re: Ni-MH Battery Info Needed
    by tahrens1@juno.com
18) [23329] Re: Resistor colour code.
    by mpupeza@csolve.net (Michael Pupeza)
19) [23330] Re: Resistor colour code.
    by mpupeza@csolve.net (Michael Pupeza)
20) [23331] Re: CA3160E
    by "S. Lee" <slee@u.washington.edu>
21) [23332] Re: Wanted: Mnemonic for color code
    by maccary@on-ramp.ior.com
22) [23333] Re: CA3160E
    by Dana Myers K6JQ <myers@bigboy.West.Sun.COM>
23) [23334] Re: QRP-L Stats
    by Monte Stark <ku7y@sage.dri.edu>
24) [23335] Micro Cap V HELP
    by kb0rol@juno.com (Bradley L Mugleston)
25) [23336] Re: Resistor colour code.
    by Monte Stark <ku7y@sage.dri.edu>
26) [23337] Sierra info wanted
    by Michael Parkes <mparkes@worldnet.att.net>
27) [23338] Re: Sierra info wanted
    by Kory Hamzeh <kory@avatar.com>
28) [23339] KH6AFS - 2watts from Hilo, HI
    by "John A. Evans - N0HJ" <jaevans@codenet.net>
29) [23340] Re: Resistor colour code.
    by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
30) [23341] SST Howls
    by tshilhanek@juno.com (Terence J Shilhanek)
31) [23342] Re: NN1G instructions needed
    by "Paul R. Valko" <prvalko@Oakland.edu>
32) [23343] Re: Wanted: Mnemonic for color code
    by "Paul R. Valko" <prvalko@Oakland.edu>
33) [23344] Re: Wanted: Mnemonic for color code
    by Richard Powell <ripowell@mpna.com>
34) [23345] 2-way QRP WAS in 10 months
    by VE3JC John <jbcumming@wwdc.com>
35) [23346] To: Chuck Adams K5FO
    by "Emory R. Schley" <ERSchley@worldnet.att.net>

36) [23347] Re: Autek RF1, What do you think?
    by Sandy W5TVW <ebjr@worldnet.att.net>
37) [23348] QUESTION
    by kc4mhm@juno.com (ed miller)
38) [23349] Color Code Mnemonic
    by "Marshall Emm" <mgemm@mtechnologies.com>
39) [23350] Re: Sierra info wanted
    by k7sz@juno.com (Richard H. Arland)
40) [23351] Re: QUESTION
    by Ed Tanton <n4xy@bellsouth.net>
41) [23352] Re: QUESTION
    by Bernie Doehner <bad@uhf.wireless.net>
42) [23353] Re: QUESTION
    by Dave Sjolin <sjolin@swbell.net>
43) [23354] Re: QUESTION
    by Ed Tanton <n4xy@bellsouth.net>
44) [23355] Using an hf vee beam on 50MHz
    by William Hansgen <102762.1311@CompuServe.COM>
45) [23356] Re: Sierra info wanted
    by "John A. Evans - N0HJ" <jaevans@codenet.net>
46) [23357] Re: Wanted: Mnemonic for color code
    by Monte Stark <ku7y@sage.dri.edu>
47) [23358] re: CA3160E
    by Bob Liesenfeld <wb0poq@visi.com>
48) [23359] Re: QUESTION
    by "J. Skalski" <jskalski@acsu.buffalo.edu>
49) [23360] Boyscout Donations?
    by Jeff Grudin <grudin@pacific.vdbs.com>
50) [23361] RUFZ ver.3 HELP FINDING
    by gregoire@endor.com
51) [23362] Can't hear W1's from 7 land
    by Steven Weber <kd1jv@moose.ncia.net>
52) [23363] mimimulist revisited
    by Steven Weber <kd1jv@moose.ncia.net>
53) [23364] Power levels
    by Steven Weber <kd1jv@moose.ncia.net>
54) [23365] LED freq indicator for pot tuned rigs
    by Steven Weber <kd1jv@moose.ncia.net>
55) [23366] SST howells
    by Steven Weber <kd1jv@moose.ncia.net>
56) [23367] 38 Spl Enclosure
    by n4js@amsat.org
57) [23368] iambic practice
    by No Other Than <mitch96@herald.infi.net>
58) [23369] QUESTION REPLY
    by kc4mhm@juno.com (ed miller)
59) [23370] QRP Classics Wattmeter Info Needed
    by k7sz@juno.com (Richard H. Arland)

 60) [23371] Iambic Keying
     by adams@chuck.dallas.sgi.com (Chuck Adams)
 61) [23372] BB #47 - Operating location
     by KG0ZT <pugrad@millcomm.com>
 62) [23373] Re: ANTENNA TUNING
     by ARDUJENSKI@aol.com
 63) [23374] Stuff for sale!
     by Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
 64) [23375] Re: QRP Classics Wattmeter Info Needed
     by adams@chuck.dallas.sgi.com (Chuck Adams)
 65) [23376] Heathkit Owners List
     by n4so@juno.com (charles k brown)
 66) [23377] Attitude - deleate if you don't like non qrp stories
     by Paul Erickson <paul1@wizard.ucs.sfu.ca>

Date: Fri, 18 Jul 1997 17:01:03 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Marshall Emm <mgemm@mtechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23312] Re: Wanted: Mnemonic for color code
Message-ID: <Pine.OSF.3.95.970718170008.29035A-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Better Be Ready Otherwise Your Great Big Venture Goes West

On Fri, 18 Jul 1997, Marshall Emm wrote:

> I'm doing a construction article and the editor won't let me use the
> mnemonic phrase I have used for 20 years to remember the resistor
> color code. He says it's racist, sexist, and otherwise politically
> incorrect.
>
> In case I've lost you here, I'm looking for something like "Every
> Good Boy Does Fine" which denotes the lines/notes (E,G,B,D,F) on a
> treble clef music staff, for the color code Black Brown Red Orange
> Yellow Green Blue Violet Gray White.
>
> What do you use???
>
> 73
> Marshall Emm
> N1FN/VK5FN
> n1fn@mtechnologies.com
> http://www.mtechnologies.com/mthome
> (303)752-3382

> --
>
>

+---+
| Brian Buydens,   Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca   http://duke.usask.ca/~buydens |
| VE5RDV |
| |
| DO NOT ADD ME TO ANY MAILING LISTS WITHOUT MY CONSENT !!! |
+---+
| And it's Ho, boys, can't you code it, and program it right |
| Nothing ever happens in the life of mine |
| I'm hauling up the data on the Xerox line |
| |
| Nigel Russell (Stan Rogers Band) - "White Collar Holler" |
+---+

Date: Fri, 18 Jul 1997 16:04:59 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: KE4QOK@worldnet.att.net
Cc: qrp-l@Lehigh.EDU
Subject: [23313] Re: Ni-MH Battery Info Needed
Message-ID: <19970718.160501.9838.1.gsurrency@juno.com>

Buy the commercial NiMH battery pack. The commercial battery suppliers have the ability to match the individual cells for capacity so all cells share equally in the charge / discharge cycle. The commercial packs are also welded to eliminate any contact resistance you will get from poor contacts in the battery pack.

Be aware that the NiMH cells have a higher self-discharge rate than Nicads. A tradeoff for the higher capacity of NiMH.

Several companies make replacement packs, and there are some now that supply the NiMH for almost any HT. Check with HRO, Battery Tech, WW & Associates, The Nicad Lady, etc., etc. Most of these companies are in World Radio, 73, QST, etc.

You might pay a little more for the commercial stuff, but you'll get a lot more service and satisfaction from them. Just be sure to use the correct type of charger recommended by the manufacturer and rotate at least two batteries so you never have to use or charge a "warm" one. I have some batteries here that are 3 years old and exhibit no loss of

capacity.

73,

AB7MY
Gary Surrency
Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions

Date: Fri, 18 Jul 1997 19:27:27 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [23314] Callsign Lookup/WM7D
Message-ID: <19970719.070807.8719.4.n4so@juno.com>

Here is another call sign database that is available from
the Web.

http://www.wm7d.net/fcc/callsign.html

You can search for your callsign and add your E-mail
address and other data.
This is from August QST.
Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Fri, 18 Jul 1997 16:36:05 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <adams@chuck.dallas.sgi.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [23315] Re: QRP-L Stats
Message-ID: <199707182335.SAA17965@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Very interesting data, especially when you examine it closely:

year	Words	Characters	Char/word
1993	812,044	4,836,891	5.95644

1994	1,681,553	10,396,937	6.182937
1995	3,046,721	20,589,822	6.758027
1996	5,585,475	39,566,530	7.083825
1997	4,067,143	28,823,587	7.086937

Each year, the characters per word index has increased, indicating that the intellectual level of the postings has also risen every year. My congratulations to the list, whose contributors have helped to raise the overall knowledge and understanding of everyone who participates.

Note, however, that the rate of increase has substantially diminished in 1997, hence, we are compelled to consciously augment the statistical indices by intentional periphrasis, pleonasm, -- indeed -- perhaps a slight measure of magniloquence. And chickens, too.

So be it (oops! sorry)

Mike K1MG

Date: Fri, 18 Jul 97 16:38:00 PDT
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
To: qrp-l@Lehigh.EDU
Subject: [23316] Re: ANTENNA TUNING

>From: NilsBull@aol.com
>You ain't gonna get no antenna tuned at ground level. You have to "do
>the antenna dance." You put the damn thing up, test to see where it's
>resonant, take it back down, cut or add whatever you think is cool,
>haul the damn thing back up, go back into the shack and try it again,
>go back outside, take it down, prune, haul it up, test it, haul it back
>down, prune it, haul it up, test it, haul it back down, prune it, haul
>it up, test it... Nils WB8IJN

Hi Nils, it makes no sense to go to all that trouble. If we run a decent SWR on the ladder-line, we don't normally care if we missed the antenna length by a few feet. The ladder-line becomes part of the antenna system and transforms whatever impedance exists to what we want it to be at the transmitter. All the pruning, etc. can be done at the transmitter after the antenna is erected for the first and last time. For instance, if our 50 ohm SWR is 2:1 at 7 MHz and 6:1 at 7.3 MHz, we know the ladder-line is too long. If the SWR readings are reversed from the above, we know that the ladder-line is too short. No need to bother with anything at the antenna end. We can do

everything we need to do at the transmitter end. I will cover this
at Ft. Tuthill. Ya'll come on over.

73, Cecil, W6RCA http://people.delphi.com/CecilMoore

Date: Fri, 18 Jul 1997 18:58:45 -0500
From: "ukii" <ukii@Megsinet.net>
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [23317] Re: QRP-L Stats
Message-ID: <m0wpMwC-003tw4C@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> Note, however, that the rate of increase has substantially diminished in
> 1997, hence, we are compelled to consciously augment the statistical
> indices by intentional periphrasis, pleonasm, -- indeed -- perhaps a
slight
> measure of magniloquence. And chickens, too.

 Can we just make bubbles in the bathtub

73
john
n9ukx

*** Persuant to qrPENAL code Section 7 Article 3 ***
     "Failure to use a Code Sending device on a regular
      basis may result in an IMMEDIATE FORFEITURE of
          the Morse Code Portions of the Bands"

Date: Fri, 18 Jul 1997 20:05:52 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: qrp-l@Lehigh.EDU
Subject: [23318] 2N7000 pinout?
Message-ID: <3.0.1.16.19970718200552.29270e12@mail-cluster.pcy.mci.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Gang....anybody on the list have the pinout for a
2N7000. If I remember, it is a low power MOSFET. I

have several, but can't find anything in the shack
that shows it.

Any help greatly appreciated.

72....Jim

PS....17 meter 38 Special almost done! :-)

Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o   H.F. bicycle mobile
Fenton, MI |_`\<,   Mizuho 17/40 SSB
...   . (*)/(*) . .   .   .
NorCal 38S Log - 34 States; 40 Countries - Running 3 watts
Most recent -   Iowa   Mauritius

Date: Fri, 18 Jul 1997 17:09:17 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Marshall Emm <mgemm@mtechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23319] Re: Wanted: Mnemonic for color code
Message-ID: <Pine.BSI.3.96.970718170441.10581A-100000@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Jul 1997, Marshall Emm wrote:

> I'm doing a construction article and the editor won't let me use the
> mnemonic phrase I have used for 20 years to remember the resistor
> color code. He says it's racist, sexist, and otherwise politically
> incorrect.
>
> In case I've lost you here, I'm looking for something like "Every
> Good Boy Does Fine" which denotes the lines/notes (E,G,B,D,F) on a
> treble clef music staff, for the color code Black Brown Red Orange
> Yellow Green Blue Violet Gray White.
>
> What do you use???
>

    I know of two:

==========

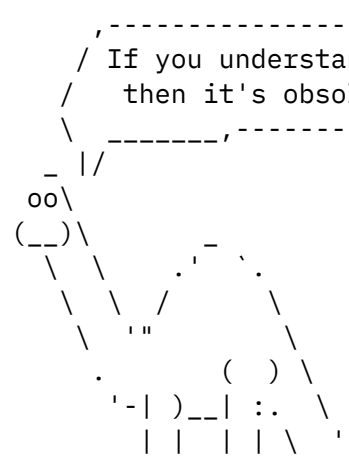
N	Colour	#1	#2
0.	Black	Bad	Bad
1.	Brown	Boys	Beer
2.	Red	Rape	Rots
3.	Orange	Our	Our
4.	Yellow	Young	Young
5.	Green	Girls	Guts
6.	Blue	But	But
7.	Violet	Violet	Vodka
8.	Grey/Gray	Gives	Goes
9.	White	Willingly (for)	Well
.1	Silver	Silver (or)	
.01	Gold	Gold	

==========

I gotta go.

Regards,

Chris



Circuit Design for the RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly

c__; c__; '-..'>.__   Email: ctrask@primenet.com

Graphics by Loek Frederiks

Date: Fri, 18 Jul 1997 17:10:41 -0700
From: Ed Loranger <we6w@qsl.net>
To: mgipe@reliablemeters.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23320] Re: QRP-L Stats
Message-ID: <33D00601.1D2E@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Exceptional Correlation Michael!

QRP-L'ers Defined: Amateurs communicating technically,
philosophically -- focused specifically toward
communications excellence, including optimization
issues encompassing amateur operations technology.

And Wordy....
Hi!
-Ed Loranger
--
72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net http://www.qsl.net/we6w

Date: Fri, 18 Jul 1997 17:25:23 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <jokortge@mci2000.com>
Cc: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [23321] Re: 2N7000 pinout?
Message-ID: <199707190024.TAA20678@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Jim --

2N7000:

Looking at the flat side of the TO92 case, the pins are, left to right:

source   gate   drain

n-channel enhancement mode mosfet
Vdss breakdown 60 Vdc
gate thresh 0.8 to 3.0 V
input cap 60 pf
output cap 25 pf
reverse cap 5 pf
10 ns switching times
on resistance @ Vgs = 10v 5 ohms max at 25C

Source: Motorola small signal device data book rev 2 1989

Mike K1MG

> From: Jim Kortge, K8IQY <jokortge@mci2000.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: 2N7000 pinout?
> Date: Friday, July 18, 1997 5:05 PM
>
> Gang....anybody on the list have the pinout for a
> 2N7000. If I remember, it is a low power MOSFET. I
> have several, but can't find anything in the shack
> that shows it.
>
> Any help greatly appreciated.
>
> 72....Jim
>
> PS....17 meter 38 Special almost done! :-)
>
>
> Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
> jokortge@mci2000.com | __o   H.F. bicycle mobile
> Fenton, MI |_`\<,   Mizuho 17/40 SSB
> ...   . (*)/(*) . .   .   .
> NorCal 38S Log - 34 States; 40 Countries - Running 3 watts
> Most recent -   Iowa   Mauritius
>

Date: Sat, 19 Jul 1997 01:57:16 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [23322] Online CW Course
Message-ID: <199707190057.BAA15247@chuck.dallas.sgi.com>

Gang,

Too many emails to answer individually on the CW course.

1. The online information that I am entering is to be used as a guide for the ARRL Introduction to Morse CDs that start from ground zero and get you to over 10wpm. This on my home page for those that can surf.

2. Question most often asked is if you already know the code do you need to start over? Well, if you think you have some bad habits or have a mental block at some speed it might help. This one is too general to give a specific answer to without watching you in person and see what you are doing. Look at the guidelines that I have on the web page and think about it.

I will later get to the point that others can join in at the 15wpm and higher speeds. I am spending this weekend spare time in working on compressing audio files to reduce the amount of online storage to a reasonable level for practice sessions. I'll post when it's ready.

For those that can't surf and only get information via email I can't help you much right now. I am working on a booklet, but someone might buy up the rights to that or print it for me. Information to follow as it develops. The goal is for a complete course from 0 to 55wpm when it all gets done.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/adams/
K5FO online Morse Code course --- see the home page
WIMPS: Qs=043 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=015

Date: Fri, 18 Jul 1997 21:28:02 EDT
From: d.nordquest@juno.com
To: qrp-l@Lehigh.EDU
Subject: [23323] Re: Ni-MH Battery Info Needed
Message-ID: <19970718.183132.4959.2.d.nordquest@juno.com>

In repsonse to Bob's query:
    I've read that Ni-HM's are more demanding than nicads, needing to have their temp monitored during charging. They lose more of their charge on the shelf (maybe 2% a day) & are rated for about half the charging cycles. They also don't like high temperatures as well, though what they do in response, I don't know. For an extra 25% of so of charge, are they worth it? I'd be interested to hear what others think.
                                                    Dave KE9ED

Date: Fri, 18 Jul 1997 19:27:54 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: v31ry@ix.netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [23324] Re: QSLing
Message-ID: <199707190128.TAA01930@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>> For all the Club Trustees out there, please QSL when
  the club puts on a
big operation and makes lots of QSO's.. It's part of
ham radio!
<<

Funny you should mention that-- I agree absolutely, and CQC's QSL cards arrived here about half an hour ago. There will be some catching up, but the small stack of SASE's will be attended to at once.

[Crabby old man voice on]When I was a boy [comv off] we were taught that the QSL card is "the final courtesy of the QSO."
73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
http://www.mtechnologies.com/mthome

(303)752-3382
--

Date: Fri, 18 Jul 1997 18:38:11 -0700
From: Roger Hightower <n7kt@dancris.com>
To: jokortge@mci2000.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23325] Re: 2N7000 pinout?
Message-ID: <33D01A83.771E@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The 2N7000 is a TMOS FET Transistor. Looking at the flat side, from
left to right:
1 = Source, 2 = Gate, 3 = Drain.

--
72/73 de Roger N7KT   n7kt@dancris.com   Mesa, AZ   Grid DM43cj
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383
AK-QRP 167

Date: Fri, 18 Jul 1997 18:42:19 -0700
From: Roger Hightower <n7kt@dancris.com>
To: mgemm@mtechnologies.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23326] Re: QSLing
Message-ID: <33D01B7B.33A@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Marshall Emm wrote:
>
> >> For all the Club Trustees out there, please QSL when
>   the club puts on a
> big operation and makes lots of QSO's.. It's part of
> ham radio!
> <<
>
> Funny you should mention that-- I agree absolutely, and CQC's QSL

> cards arrived here about half an hour ago. There will be some
> catching up, but the small stack of SASE's will be attended to at
> once.
>
> [Crabby old man voice on]When I was a boy [comv off] we were taught
> that the QSL card is "the final courtesy of the QSO."
> 73
> Marshall Emm
> N1FN/VK5FN
> n1fn@mtechnologies.com
> http://www.mtechnologies.com/mthome
> (303)752-3382
> --
Darned right. Every time we use the club call, of which I am the
trustee, I get set for the cards...and answer promptly. Any club who
doesn't should have the call revoked.
--
72/73 de Roger N7KT   n7kt@dancris.com   Mesa, AZ   Grid DM43cj
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383
AK-QRP 167

Date: Fri, 18 Jul 1997 23:01:20 EDT
From: haf47@juno.com (Howard Friedman)
To: radio@UDel.Edu
Cc: qrp-l@Lehigh.EDU
Subject: [23327] Re: Wtd: 40m rcvr
Message-ID: <19970718.225751.7823.0.HAF47@juno.com>

Hi Bob...saw your request for 40m receiver. If you have a problem getting
one, I'll be happy to put a kit together for you. One you might be
interested in is from Ten-Tec...it's a direct conversion, and works
really well. Costs 30 bucks.

Another option to consider is the MRX-40 from Steve Bornstein. Altho I've
never seen one, I have been told this is a superhet, and has generated a
lot of positive comments here on QRP-L. Costs 18 bucks.

Without a doubt, now that I have posted this, others on the list may
offer even better suggestions! There's a lot of good stuff available
these days.

Please let me know if I can be of assistance. 73, Howie

WA2AFD
haf47@juno.com

Date: Fri, 18 Jul 1997 23:03:14 EDT
From: tahrens1@juno.com
To: KE4QOK@worldnet.att.net
Cc: qrp-l@Lehigh.EDU
Subject: [23328] Re: Ni-MH Battery Info Needed
Message-ID: <19970718.220437.4919.0.tahrens1@juno.com>

Hi Bob - Ni-MH batteries do a pretty good job, (weight for power), but you gotta use em continually. They have about a 4% self discharge rate PER DAY! So, if you don't use them for a week, there isn't much left! Nicads have about .4% per day.

I've been using them for about 3 years on my fire department radio, and since I charge them every other night, they work ok. However, it is interesting to note that Motorola has dropped their 1 year guarantee to 6 months on the Visar batteries... hmmm, wonder if they know something?

I have two packs, and each one lasts me about 1 day. So, I charge them every other day. They are lasting about 8 months before they go belly up.

Just my .02 worth!

cu

Tim W5FN

Date: Fri, 18 Jul 1997 23:49:28 -0500
From: mpupeza@csolve.net (Michael Pupeza)
To: qrp-l@Lehigh.EDU
Subject: [23329] Re: Resistor colour code.
Message-ID: <v01510100aff5f6e66af9@[207.61.168.156]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Politically Correct Persons:

How about:
Better Be Right Or Your Great Big Venture Goes West!

Black Brown Red Orange Green Blue Violet Grey White!

72 - - - Mikey VE3EQP.....>

Michael Pupeza VE3EQP
mpupeza@csolve.net

Date: Fri, 18 Jul 1997 23:50:55 -0500
From: mpupeza@csolve.net (Michael Pupeza)
To: qrp-l@Lehigh.EDU
Subject: [23330] Re: Resistor colour code.
Message-ID: <v01510101aff5f80eb097@[207.61.168.108]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Politically Correct Persons:

How about:
Better Be Right Or Your Great Big Venture Goes West!

Black Brown Red Orange YELLOW Green Blue Violet Grey White!

72 - - - Mikey VE3EQP.....>

Michael Pupeza VE3EQP
mpupeza@csolve.net

Date: Fri, 18 Jul 1997 21:00:03 -0700 (PDT)
From: "S. Lee" <slee@u.washington.edu>
To: Bob Liesenfeld <wb0poq@visi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23331] Re: CA3160E
Message-ID: <Pine.A41.3.95b.970718205055.146856A-100000@homer35.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Harris Semiconductor CA3160E: 8-pin DIP Package Op Amp

I(IB)max = 30pAmps; Unity BW = 4.0MHz; V(IO)max = 5.0mVolts
Nominal VCC = 15Volts; Operating Temp = -55C min to 125C max
Pins: 1= Offset null; 2= Input-; 3= Input+; 4= VCC- (Grnd)
      5= Offset null; 6= Output; 7= VCC+ ; 8= Strobe

Enjoy! de AB7HI
On Fri, 18 Jul 1997, Bob Liesenfeld wrote:
> Hi gang,
> Anybody have any info on the CA3160E IC?   Thanks! > 72
> Genuine E-mail From the Land of the Everlasting Icicle...
> Bob Liesenfeld   > wb0poq@visi.com

Date: Sat, 19 Jul 1997 00:05:54 -0400
From: maccary@on-ramp.ior.com
To: qrp-l@Lehigh.EDU
Subject: [23332] Re: Wanted: Mnemonic for color code
Message-ID: <199707190405.AAA38667@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Face it guys, some mnemonics just don't clean up very well. The more
outlandish the acts portrayed, the easier to remember. Any of you old salts
who took Chapmans Piloting and Seamanship will remember compass corrections
as "True Virgins Make Dull Companions" and going in the other direction it
was "Can Dead Men Vote Twice". I'll probably remember it and "Bad Boys
.....Gee Whiz" when I've forgotten my name.

On another subject, maybe I should get the CW CD and try again. 55 years ago
I got up to 20 wpm in Army radio school and a few years later was able to
pass the 13 wpm under trying condx--in the Customs House before a FCC
examiner. Since then it has been downhill all the way. My theory is that CW
is really a language and I'm notoriously bad at them. After two years of
Spanish, two years of German, one year of Russian, and one year of Italian
all I can say is "pate de foie gras, garcon".=20

Mac--W=D8NAX=20
LAWRENCE MAC CARY --- A Subscriber at Internet On-Ramp, Inc.=20

Date: Fri, 18 Jul 1997 21:18:53 -0700 (PDT)

From: Dana Myers K6JQ <myers@bigboy.West.Sun.COM>
To: slee@u.washington.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23333] Re: CA3160E
Message-ID: <Roam.SIMC.2.0.6.869285933.751.myers@bigboy>
Content-Type: text

Steve AB7HI wrote:

> Harris Semiconductor CA3160E: 8-pin DIP Package Op Amp
> I(IB)max = 30pAmps; Unity BW = 4.0MHz; V(IO)max = 5.0mVolts
> Nominal VCC = 15Volts; Operating Temp = -55C min to 125C max
> Pins: 1= Offset null; 2= Input-; 3= Input+; 4= VCC- (Grnd)
>   5= Offset null; 6= Output; 7= VCC+ ; 8= Strobe
>
> Enjoy! de AB7HI

I sent Bob a note already, but others may be interested to know
that Harris Semi has this and other datasheets available in high
quality Postscript and PDF at http://www.semi.harris.com/

Also, National Semiconductor is at http://www.natsemi.com/

Motorola Semi is at http://www.mot.com/sps/

There's a lot of data out there for the browsing ;-)

Dana
Dana@Source.Net

Date: Fri, 18 Jul 1997 21:31:05 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23334] Re: QRP-L Stats
Message-ID: <Pine.SUN.3.90.970718212926.21018B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Jul 1997, Michael A. Gipe wrote:

>
> Each year, the characters per word index has increased, indicating that the
> intellectual level of the postings has also risen every year.

Or maybe there is just more lawyers here now..... :-)

Hey, it's just a little joke.....doesn't that make it QRP?

73, Ron,   SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sat, 19 Jul 1997 00:35:52 EDT
From: kb0rol@juno.com (Bradley L Mugleston)
To: qrp-l@Lehigh.EDU
Subject: [23335] Micro Cap V HELP
Message-ID: <19970718.211844.7727.0.kb0rol@juno.com>

I downloaded Micro Cap V and thought I'd input the Pixie 2. I've got everything in but the LM386. Its not even listed as a possible part with the $3,000+ purchase of the real package.

Can I add this component? Do I need it?   I also don't know how to show an antenna.

With everything else in I still can't get it to annalize the circuit or get the node Voltages

I need some help, but I think most of you know that by now.

Thanks

de KB0ROL, Brad

Date: Fri, 18 Jul 1997 21:47:50 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: Michael Pupeza <mpupeza@csolve.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23336] Re: Resistor colour code.
Message-ID: <Pine.SUN.3.90.970718214619.21018D-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Jul 1997, Michael Pupeza wrote:

> Politically Correct Persons:
>
> How about:
> Better Be Right Or Your Great Big Venture Goes West!

Hey, wait a minute......looks like your picking on us
out here in the west.....tain't fair I tell ya'.....

cul,

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 18 Jul 1997 22:31:42 -0800
From: Michael Parkes <mparkes@worldnet.att.net>
To: qrp-l@LEHIGH.EDU
Subject: [23337] Sierra info wanted
Message-ID: <33D05F49.7FA2@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am trying to decide on a nice QRP HF rig and had figured I would just
go with a 40 meter monoband rig of some sort (Norcal 40a, SST, Emtech
NW40 or similiar...) but this Wilderness Sierra has really caught my
eye. I guess with the sunspot cycle on the upturn it might be nice to
work higher bands sometimes, and who knows..even 10 meters?!...anyway,
I'm intereested in any feedback on the Sierra. Do you have one? Like it?
How difficult to build?

thanks for the input gang...
-Mike AB7RU
--
26725 E Moffat Rd
Newman Lake, WA 99025

Ex: KA4GCB (1981), N4ESZ, KS4DA

Date: Fri, 18 Jul 1997 22:35:50 -0700 (PDT)
From: Kory Hamzeh <kory@avatar.com>
To: Michael Parkes <mparkes@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@LEHIGH.EDU>
Subject: [23338] Re: Sierra info wanted
Message-ID: <Pine.BSI.3.91.970718223249.9360C-100000@avatar.avatar.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have one, I love it. It was very easy to build. Worked the first time. I think it is one of the best QRP rigs out there. Highly recommend it and would not trade it for anything. Buy one! There is nothing that my Yeasu FT-1000MP can hear that the Sierra can't! I can't think of anything negative to say, other than it is about 2 to 4 watts out. However, because of the way Wayne designed it, it pulls very very low power -- 35ma on receive and 350ma on transmit.

Kory
AC6RN

On Fri, 18 Jul 1997, Michael Parkes wrote:

> I am trying to decide on a nice QRP HF rig and had figured I would just
> go with a 40 meter monoband rig of some sort (Norcal 40a, SST, Emtech
> NW40 or similiar...) but this Wilderness Sierra has really caught my
> eye. I guess with the sunspot cycle on the upturn it might be nice to
> work higher bands sometimes, and who knows..even 10 meters?!...anyway,
> I'm intereested in any feedback on the Sierra. Do you have one? Like it?
> How difficult to build?
>
> thanks for the input gang...
> -Mike AB7RU
> --
> 26725 E Moffat Rd
> Newman Lake, WA 99025
>
> Ex: KA4GCB (1981), N4ESZ, KS4DA
>
>

Date: Sat, 19 Jul 1997 00:04:33 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>

To: qrp-l@LEHIGH.EDU
Subject: [23339] KH6AFS - 2watts from Hilo, HI
Message-ID: <3.0.1.32.19970719000433.006c6674@codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sam is on right now - any night owls checking mail should find him
at 14.060 - jst checked out the 2watts from my SST and worked him FB
2W QRP both ways (his argo).

73 - john

John A. Evans   Chief Systems Administrator
Office: (719) 528-1800 x164   Titan Software Systems
Fax: (719) 528-1888   1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

Date: Sat, 19 Jul 1997 12:46:55 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: ku7y@sage.dri.edu
Cc: qrp@pandora.lugs.org.sg
Subject: [23340] Re: Resistor colour code.
Message-ID: <33d046c0.pandora@pandora.lugs.org.sg>

On Fri, 18 Jul 1997 21:47:50 -0700 (PDT), "Monte Stark" <ku7y@sage.dri.edu> wrote:
> > Politically Correct Persons:
> >
> > How about:
> > Better Be Right Or Your Great Big Venture Goes West!
>
> Hey, wait a minute......looks like your picking on us
> out here in the west.....tain't fair I tell ya'.....

Bye Bye Rosie, Off You Goto Birmingham Via Great Western!

Should be okay now!

73 de 9V1ZV Daniel
--

+------------+--------------------------------+
Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	danwee@singnet.com.sg
QRP-L #667	9V1ZV@amsat.org
+------------+--------------------------------+

Date: Sat, 19 Jul 1997 02:27:05 EDT
From: tshilhanek@juno.com (Terence J Shilhanek)
To: qrp-l@Lehigh.EDU
Subject: [23341] SST Howls
Message-ID: <19970719.045902.4775.0.tshilhanek@juno.com>

My SST 40m version also howled when the audio gain was at maximum. Looking at the application notes on the LM386 audio chip that is in the SST, I noticed that there is a comment that if the chip oscillates then an optional DC filter can be installed to prevent the oscillation. The filter is only a resistor and a by-pass capacitor placed in the lead supplying power to the chip. I have installed the modification and it seems to work. The changes can be done on the etched side of the pc board.

1. cut the trace going to pin 6 of U3
2. solder a 100 ohm 1/4 watt resistor from pin 6 of U3 to the contact
   next to pin 1 of U3 .
3. solder a .1mf disc cap from pin 6 of U3 to pin 4 of U3

Terry
W0PFR

Date: Sat, 19 Jul 1997 06:41:20 -0400 (EDT)
From: "Paul R. Valko" <prvalko@Oakland.edu>
To: Wes Jenson <n0ihm@starpoint.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23342] Re: NN1G instructions needed
Message-ID: <Pine.OSF.3.95.970719063204.32070A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Jul 1997, Wes Jenson wrote:

> I purchased an unassembled kit from a Ham fest for the NN1G rig, the
> earlier two board kit, which I have determined to be a kit from Dan's Small
> parts(thanks for the help from Dave, NN1G).

<snip>

> I'd like a copy of assembly instructions, if there are any.

Ohhh... poor choice for a first time kit! Not unbuildable, but the USECA
(home to the WORLDS LARGEST QRP Field Day) Club made a group purchase
through Dan's about five years ago of about 25 of that same kit and it
came with a bag of parts, two PCBs, a schematic, and an article from one
of the ham mags on how to tune it up.

Last I heard, only three of us managed to build working rigs.

I still have the paperwork, but as I recall, you simply stuff the board
per the schematic and that's about it. I have the 20M version and it
works great.

Let me know if you want a FAX of what I have.

vy 73 =paul= w8kc

Date: Sat, 19 Jul 1997 06:48:35 -0400 (EDT)
From: "Paul R. Valko" <prvalko@Oakland.edu>
To: Marshall Emm <mgemm@mtechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [23343] Re: Wanted: Mnemonic for color code
Message-ID: <Pine.OSF.3.95.970719064400.32070B-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 18 Jul 1997, Marshall Emm wrote:

> mnemonic phrase I have used for 20 years to remember the resistor
> color code. He says it's racist, sexist, and otherwise politically
> incorrect.

Big Boys Race Our Young Girls But Violet Generally Wins

Heavens to Betsy! You mean there are OTHERS???!??!?!

73 =paul= w8kc

Date: Sat, 19 Jul 1997 10:43:50 -0400
From: Richard Powell <ripowell@mpna.com>
To: qrp-l@LEHIGH.EDU
Subject: [23344] Re: Wanted: Mnemonic for color code
Message-ID: <1.5.4.32.19970719144350.006cefb4@smtp.mpna.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In 8th grade electronics shop (196?) the Shop teacher was named MR.
Byer..(sounds like buyer)

Byer's boys rode on yellow gocarts before visiting groovy wilson (woodrow
wilson jr. high).
/rick

At 02:47 PM 7/18/97 +0000, mgemm@mtechnologies.com wrote:
>I'm doing a construction article and the editor won't let me use the
>mnemonic phrase I have used for 20 years to remember the resistor
>color code. He says it's racist, sexist, and otherwise politically
>incorrect.
>
>In case I've lost you here, I'm looking for something like "Every
>Good Boy Does Fine" which denotes the lines/notes (E,G,B,D,F) on a
>treble clef music staff, for the color code Black Brown Red Orange
>Yellow Green Blue Violet Gray White.
>
>What do you use???
>
>73
>Marshall Emm
>N1FN/VK5FN
>n1fn@mtechnologies.com
>http://www.mtechnologies.com/mthome
>(303)752-3382
>--
>

>
>
Richard Powell WB6JBM TENTEN - 13044
ripowell@mpna.com http://www.mpna.com/ripowell

Date: Sat, 19 Jul 1997 09:59:46 -0400
From: VE3JC John <jbcumming@wwdc.com>
To: qrp-l@Lehigh.EDU
Subject: [23345] 2-way QRP WAS in 10 months
Message-ID: <33D0C852.FEC@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well sometimes it pays to check back through your log...

I've never been much for collecting awards, but the "fifty states in fifty days" event at the first of the year really sparked my interest in chasing down 2-way qrp WAS. I managed 38 states during FSFD, and got up to 47 with fox hunts, sprints, and looking around the bands.

Was really excited to work KH6AFS, Sam (2 w -Argonaut) on July 16, and I thought that only Tennessee (shouldn't be so hard to get from here in Southern Ontario!) and Wyoming were left on my hit list. Well I'm thumbing through my log, and whaddyaknow, during the QRP ARCI contest last October, there is AE0Q/7 Wyoming, and KC4IIS (now N4DD, my searches tell me) in Tennessee!

Not exactly fifty states in fifty days, but under a year, anyway, and a whole lot of fun! BTW I'm just getting out some of the QSL's now (needed American stamps for sase's and the time to fill them out), so if you receive my QSL, you know I'll be excited to get yours back!

I guess 2-way QRPp WAS could be the next challenge (and I'm still working on Canadian award - you think Alaska is tough, our NorthWest Territories and Yukon are not easy picken's!)

I was interested in Bob White WO3B's idea in Jan 96 QRP Quarterly of "WASTP" - WAS Total Power, in which you continuously try to reduce the TOTAL power it took for you to contact all states. For example, all of my contacts were made at 3-5 watts, so my wastp will be sitting around 230W. As I rework states at lower power my WASTP will drop. An interesting way to compete against yourself, continuously improve equipment, and enjoy working towards QRPp WAS.

Thanks for all the QSO's and events over the past year - most

fun I've had in my 18 years on the air! - Now to get those QSL's
collected!
                  72 & 73, John

****
                        VE3JC - JOHN CUMMING
        192 WELLINGTON ST. DELAWARE, ON CANADA, N0L 1E0

Date: Mon, 14 Jul 1997 23:01:14 -0500
From: "Emory R. Schley" <ERSchley@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [23346] To: Chuck Adams K5FO
Message-ID: <33CAF60A.5CC6@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck;
   Received my CW CDs (got both sets) on Friday and am busily working my way through your course.
   CW has ALWAYS been rough for me, despite the Extra Class license, and I've already discovered, thanks to your course, two of my problem areas-- Verbalizing and Visualizing. I just never realized I was repeating code characters to myself until I read your instructions, and then later, I realized I was also VISUALIZING the written (dot and dash) pattern for some problem characters. NO wonder I flunked
the 13 wpm test twice before I passed it! (Same thing with the 20 wpm test, too. At
least I'm consistent!)
   Now I'm hard at work trying assiduously to wipe out poor CW practices that have had 17 years to "corrupt" me, but the important thing is I now, FINALLY, after all these years, know what I've been doing wrong. All this time, I just thought I was stupid, despite an IQ some Ph.Ds would probably be proud to have.
   Wow! Thanks! I seem to have plateaued out at about the 25 wpm level, but I think
I'm beginning to see some improvement in my habits already, and in time, I think I might be able to realistically read 40-50 wpm! This is GREAT! (INSANELY GREAT, as Steve Jobs used to say.)
   I do have one question though. I fail to see the advantage of using only one half of a sheet of paper, and then rotating it 180 degrees to bring the other half into use. If there is an advantage to doing this, it is not readily apparent to me.
It seems that it would be faster, easier, and more efficient to just write across the entire width of the sheet of paper thus avoiding the rotation. But I'm willing

to learn. Maybe the reasoning behind this is just escaping me.
   Thanks again. Soon as I send this, I'm going to send a note of thanks to Rosalie
White, as well...
            73 Emory
--

==
| Emory R. Schley - N4LP |
| EL88WX - 10-10 # 49984 - QRP-L #425 |
| ARCI #5962 - M-QRP-Club #405 - scQRPions #34 |
| Former Editor, "The Five-Watter," Michigan QRP Club |
| -+-+-+- |
| dahdahdididit dididididahdah |
| SRI: dahdahdididit dididahdahdahdah isn't symmetrical enough to my ear! |
==

--

==
| Emory R. Schley - N4LP |
| EL88WX - 10-10 # 49984 - QRP-L #425 |
| ARCI #5962 - M-QRP-Club #405 - scQRPions #34 |
| Former Editor, "The Five-Watter," Michigan QRP Club |
| -+-+-+- |
| dahdahdididit dididididahdah |
| SRI: dahdahdididit dididahdahdahdah isn't symmetrical enough to my ear! |
==

Date: Wed, 16 Jul 1997 00:43:35 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: LAGESON@worldnet.att.net, qrp-l@Lehigh.EDU
Subject: [23347] Re: Autek RF1, What do you think?
Message-ID: <19970716004333.AAA24958@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:41 PM 7/15/97 +0000, you wrote:
>I've been eyeing the Autek RF1 antenna analyst for the last few months and
>am considering buying one. Anyone out there own/used one? I like the price
>when comparing it to the MFJ-259. Life could be so much easier with one of
>these, but I could end up stringing wire up everywhere.
>

>Thanks es 72's Jim-N0UR
>
>
>One of the best investments I ever made. It's good for coil winding,
finding out values of variables, etc as well. You can tune up a Butternut
without having to go inside and readjust anything! Do it all outside!
You can setup a mobile antenna pretty close using it! Also tune a 'transmatch'
without putting a transmitter on the air. The tuning adjustments on the RF-1
are a bit touchy, but it works great.
73,
E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, repaired, traded and used!"
417 Ridgewood Drive,
Metairie, LA., 70001
ebjr@worldnet.att.net
Looking for: 860 tubes, WL-460 tubes
RK-34(VT-224) tubes, Butternut HF2V antenna*

Date: Sat, 19 Jul 1997 11:11:10 EDT
From: kc4mhm@juno.com (ed miller)
To: qrp-l@LEHIGH.EDU
Subject: [23348] QUESTION
Message-ID: <19970708.041051.9519.2.KC4MHM@juno.com>

Gang:
     I was give an item and do not know what it is. It is marked as
GBL ELECTRONICS MOD 400 CHANNELIZER. There are 6 rotary switches and 4
toggle switches on the front panel. The rotary switches are marked Mhz,
100Khz, 10Khz (2 of each), 2 toggle switches are unmarked and 2 appear
to be for Tx and Rx. The back panel has RCA inputs and 2 power inputs
via feed thru caps. I was interested in the enclosure for future
projects but after seeing what was inside I had second thoughts.
     If anyone knows what I have, and if it has any QRP use, please
let me know. If it is useful for another purpose (assuming something
other than QRP exists) and someone can use it please contact me.
     I have no idea what I have so I certianly don't know if it works.

                                                  73 de   Ed
KC4MHM@juno.com

Date: Sat, 19 Jul 1997 09:15:17 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU
Subject: [23349] Color Code Mnemonic
Message-ID: <199707191516.JAA24260@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Thanks to the 30+ guys who responded to my request-- can't respond individually but you know who you are.

Most of you evidently are using the same one I was with a slight variation-- Bad boys rape our young girls but violet gives willingly. Keeping in mind that I learned it in a foreign country, the color black was represented by the word black, adding another layer of unsuitability.

Several of you offered more sanitary phrases, so I have a few to choose from. I'm thinking I might put the original "bad boys" one in too, with a disclaimer.

Thanks again for all the help!
73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
http://www.mtechnologies.com/mthome
(303)752-3382
--

Date: Wed, 16 Jul 1997 18:22:06 utc
From: k7sz@juno.com (Richard H. Arland)
To: mparkes@worldnet.att.net, qrp-l@LEHIGH.EDU
Subject: [23350] Re: Sierra info wanted
Message-ID: <19970716.182501.11223.2.k7sz@juno.com>

Hi Mike:

First of all, I DO NOT have any interest in Wilderness Radio. No money, stock, family realationship, etc.....

The Sierra is probably the BEST QRP HF rig on th emarket today. Bar none. It is sensitive, it has great selectivity, IMD is good, and you can read all about it in the June 1966 issue of QST. Rick Lindquist compared all

the major QRP kits on the market at the time. I loaned the ARRL lab my Sierra and my NorCal-40A both by Wilderness. Test specks were unbelievable for a HB rig.

The Sierra is a big project but goes together well. I have built 4 Wilderness kits and all have worked on power up. Not a bad average.

The only drawback to the Sierra is all the band modules you have to have to cover all 9 bands. They have either 6 or 7 torridal inductors in each module. So there are a lot of inductors to wind. Other than that, this rig is a GREAT rig. Two were used by KA3WTF and AA4XX to break their existing 40 meter mile per watt record on Dec 26th of 1996.....421 mile path using two Sierras, 96 microwatts = > 4 MILLION miles per watt! Remember thta this record was set using 2 HB transceivers. The Sierra receiver is excellent and hears things that my FT-301 won't hear.

Good rig. Little pricy, but you'll have an excellent product and lots of help if something does not work right. Wayne Burdick and Bob Dyer of Wilderness Radio are standing buy to help you out if you hit a snag.

Good rig...buy one.

73 richK7SZ

(PS: I paid FULL PRICE for all my Wilderness kits.....no, I'm not on the payroll nor do I get any special favors from the company....they just put out a great product and I like the two guys involved....they exemplify true ham spirit and both should be in the QRP Hall of Fame).

Date: Sat, 19 Jul 1997 12:12:02 -0400
From: Ed Tanton <n4xy@bellsouth.net>
To: kc4mhm@juno.com
Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [23351] Re: QUESTION
Message-ID: <3.0.1.32.19970719121202.00986c00@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Ed... it was the FIRST 2M synthesizer. You would literally plug it into the 2M rig's xtal socket. It would be fine for QRP work except for the output probably being the wrong formula for HF bands (it may be that a mixing change would cure that) and the need for VERY good RF filtering-since synthesizers have their share of noise and such, and that one probably more.
The 2 power inputs may mean a + and - supply is required-I do not remember,

and never actually owned one myself.

At 11:11 AM 7/19/97 EDT, you wrote:
>Gang:
>   I was given an item and do not know what it is. It is marked as
>GBL ELECTRONICS MOD 400 CHANNELIZER. There are 6 rotary switches and 4
>toggle switches on the front panel. The rotary switches are marked Mhz,
>100Khz, 10Khz (2 of each), 2 toggle switches are unmarked and 2 appear
>to be for Tx and Rx. The back panel has RCA inputs and 2 power inputs
>via feed thru caps. I was interested in the enclosure for future
>projects but after seeing what was inside I had second thoughts.
>   If anyone knows what I have, and if it has any QRP use, please
>let me know. If it is useful for another purpose (assuming something
>other than QRP exists) and someone can use it please contact me.
>   I have no idea what I have so I certianly don't know if it works.
>
>
>   73 de   Ed
>KC4MHM@juno.com
>
>
>
72/73

____
Ed Tanton   N4XY   EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
____
QRP-ARCI #7663   G-QRP #6779   OK-QRP #172   QRP-L #758
AdvRC #140   NORCAL #1779   NCDXF   SEDXC

Life Member: ARRL   AMSAT   INDEXA   QCWA
____

INTERESTS: DX   QRP   BoatAnchors Test Equipment Photography
CW: 99.9%   QRP: 95-100% (Mood swings!)   Mercury Paddle #0214
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

Date: Sat, 19 Jul 1997 12:23:55 -0400 (EDT)
From: Bernie Doehner <bad@uhf.wireless.net>
To: Low Power Amateur Radio Discussion <qrp-l@LEHIGH.EDU>
Subject: [23352] Re: QUESTION
Message-ID: <Pine.BSF.3.95.970719122242.1071B-100000@uhf.wdc.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Hi Ed... it was the FIRST 2M synthesizer. You would literally plug it into
> the 2M rig's xtal socket. It would be fine for QRP work except for the
> output probably being the wrong formula for HF bands (it may be that a
> mixing change would cure that) and the need for VERY good RF
> filtering-since synthesizers have their share of noise and such, and that
> one probably more.
> The 2 power inputs may mean a + and - supply is required-I do not remember,
> and never actually owned one myself.
>
> >GBL ELECTRONICS MOD 400 CHANNELIZER. There are 6 rotary switches and 4

Sounds like what I need for my high band micors. Does anyone know of a
source for these?

Bernie

Date: Sat, 19 Jul 1997 11:26:03 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: kc4mhm@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@LEHIGH.EDU>
Subject: [23353] Re: QUESTION
Message-ID: <33D0EA9B.C00@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ed miller wrote:
>
> Gang:
>   I was give an item and do not know what it is. It is marked as
> GBL ELECTRONICS MOD 400 CHANNELIZER. There are 6 rotary switches and 4
> toggle switches on the front panel. The rotary switches are marked Mhz,
> 100Khz, 10Khz (2 of each), 2 toggle switches are unmarked and 2 appear
> to be for Tx and Rx. The back panel has RCA inputs and 2 power inputs
> via feed thru caps. I was interested in the enclosure for future
> projects but after seeing what was inside I had second thoughts.
>   If anyone knows what I have, and if it has any QRP use, please
> let me know. If it is useful for another purpose (assuming something
> other than QRP exists) and someone can use it please contact me.
>   I have no idea what I have so I certianly don't know if it works.

Ed, sounds like what you have is one of the early external frequency synthesizers used with channelized 2 meter FM rigs back in the early 70's. Believe it or not, most early 2 meter radios had at most 12 channels and you had to buy the individual crystals.

I used a competing companies unit so I can't tell you what the output is but I would QUESS something in the 12 mhz range.

73 de Dave, N0IT

Date: Sat, 19 Jul 1997 12:29:21 -0400
From: Ed Tanton <n4xy@bellsouth.net>
To: bad@uhf.wireless.net
Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [23354] Re: QUESTION
Message-ID: <3.0.1.32.19970719122921.00afec20@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

They were in business back when Drake TR-22s and the like were the height of technology. They no longer are around of course-but the IF out probably could be mixed to do the job-was probably MADE to be done so in fact.

At 12:23 PM 7/19/97 -0400, you wrote:
>
>> Hi Ed... it was the FIRST 2M synthesizer. You would literally plug it into
>> the 2M rig's xtal socket. It would be fine for QRP work except for the
>> output probably being the wrong formula for HF bands (it may be that a
>> mixing change would cure that) and the need for VERY good RF
>> filtering-since synthesizers have their share of noise and such, and that
>> one probably more.
>> The 2 power inputs may mean a + and - supply is required-I do not remember,
>> and never actually owned one myself.
>>
>> >GBL ELECTRONICS MOD 400 CHANNELIZER. There are 6 rotary switches and 4
>
>Sounds like what I need for my high band micors. Does anyone know of a
>source for these?
>
>Bernie
>

72/73

Ed Tanton   N4XY   EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX

QRP-ARCI #7663 G-QRP #6779 OK-QRP #172 QRP-L #758
AdvRC #140 NORCAL #1779 NCDXF SEDXC

Life Member: ARRL AMSAT INDEXA QCWA

INTERESTS: DX QRP BoatAnchors Test Equipment Photography
CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

~~~~~~

"Think you can, think you can't: either way you're right!" Henry Ford

~~~~~~

Date: 19 Jul 97 12:36:05 EDT
From: William Hansgen <102762.1311@CompuServe.COM>
To: QRP-L Post <QRP-L@Lehigh.EDU>
Subject: [23355] Using an hf vee beam on 50MHz
Message-ID: <970719163605_102762.1311_GHU29-1@CompuServe.COM>

Greetings,

Our little QRP group in southeastern Ohio had success with a vee beam on 20M on Field Day. Our antenna design was inspired by Ed Manuel's 1996 QRP Symposium presentation on FD vee beams. The one we use has 330' legs, is fed by window line and we try to place the antenna 40' high or maybe a little higher. The apex angle will usually be chosen to give good performance on 10M, 15M and 20M.

That angle is a bit large for performance on 6M. Some gain would be lost. We would not want to compromise the performance on 20M by decreasing this angle much. But with legs some 16+ wavelengths long at 50MHz it seems to me that we might have a lot of low wave angle gain to spare. We haven't tried this antler on 6M yet but I am itching to do so. A vee beam with as many wavelengths as ours presents on 6M goes off the ends of the characteristic charts in the ARRL Antenna Book but extrapolating leads me to think it would work ok on 50MHz.

I know that the best way to find out how this antenna will work on 6M will be to take it to the field and try it. But I am lazy and it's awful hot here in Ohio right now and putting this antenna up over a brushy field is a lot of work(no kidding, Mr. Powell?). So first I am asking the gang here on QRP-L to let me know if it is practical to plan a test run.

Has anyone used this size of vee successfully on all bands from 14MHz to 50Mhz?

Did you find that you had to decrease the apex angle significantly to get good performance on 6M? How did that effect the 20M performance? What kind of transmatch circuit did you use for 6M operation?

Vee beams are great antennas for field operations if your site has enough room to contain the monster. Try one sometime.

Thanks and 72...

W. Mike Hansgen AA8EB
 Glouster, OH 39.498N 82.088W
 102762.1311@compuserve.com

Date: Sat, 19 Jul 1997 10:54:50 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [23356] Re: Sierra info wanted
Message-ID: <3.0.1.32.19970719105450.006c1160@codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The Sierra is probably the BEST QRP HF rig on th emarket today. Bar none.
>It is sensitive, it has great selectivity, IMD is good, and you can read
>all about it in the June 1966 issue of QST.
                          ^^^^^^^
Wow - Wayne really had this on the drawing boaerd for some time, huh ??

john

John A. Evans   Chief Systems Administrator
Office: (719) 528-1800 x164   Titan Software Systems
Fax: (719) 528-1888   1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

Date: Sat, 19 Jul 1997 09:54:35 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: "Paul R. Valko" <prvalko@oakland.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@LEHIGH.EDU>
Subject: [23357] Re: Wanted: Mnemonic for color code
Message-ID: <Pine.SUN.3.90.970719095343.21385C-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 19 Jul 1997, Paul R. Valko wrote:

>
> Big Boys Race Our Young Girls But Violet Generally Wins
>

I'm sure glad to see that Violet has changed her ways!!

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sat, 19 Jul 1997 12:05:14 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: QRP-L reflector <qrp-l@Lehigh.EDU>
Subject: [23358] re: CA3160E
Message-ID: <33D0F3CA.172A4307@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

CQ,
   Thanks to everyone that reponded to my query. I am substituting a RS LM324 and it's working FB in my QRP swr meter. Thanks again guys!

72
--
Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Sat, 19 Jul 1997 13:42:03 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: Ed Tanton <n4xy@bellsouth.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@LEHIGH.EDU>
Subject: [23359] Re: QUESTION
Message-ID: <Pine.GSO.3.96.970719133718.27268C-100000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

GLB is a local company. They are still around. They aren't making the synthesizers any more. They are old technology.
About 6 years ago; I bought a new crystal to use the GLB400 with an old crystal rig. I no longer have the rig or GLB.
Gil is a ham.

GLB Electronics
151 Commerce Pkwy
W. Seneca, NY 14224

(716)675-6740

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Sat, 19 Jul 1997 10:25:37 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-l@Lehigh.EDU
Cc: nordstrm@garlic.com
Subject: [23360] Boyscout Donations?
Message-ID: <33D0F891.1F1E@pacific.vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

A fellow ham approached me regarding an upcoming trip. He is taking a boyscout troup on a one month trip in the California Sierra's. He is looking to set up a very portable (trail friendly, light weight, low power use) station. His problem is that he needs it in two weeks.

Does anybody have a 40M qrp rig to sell (at a boy scout price), lend, or perhaps donate to the cause. He probably wants something with at least 2W output.

I am helping him out with making a portable antenna and setting up some skeds, but I don't have one too many rigs yet (my opinion, not my XYL's).

Thanks, I'm sure the boy's would appreciate your help. Who knows maybe we can get inspire some new hams.
--
73 de Jeff AC6KW
grudin@vdbs.com
_____
QRP-L #16   Private Practice : Companion Animals and Exotics
Norcal QRP #1292   Ocean Animal Clinic / Cat Clinic of Santa Cruz
                                                    Santa Cruz, California

          QRP'ers do it with less energy (but lot's of enthusiasm)!
_____

Date: Sat, 19 Jul 97 15:32:26 PDT
From: gregoire@endor.com
To: Low power amateur radio discusion <qrp-l@Lehigh.EDU>
Subject: [23361] RUFZ ver.3 HELP FINDING
Message-ID: <Chameleon.970719153620.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Gang,

I copied a http address a while back and things have changed there. It was at SiliconValley/park/4182

The site told me that the file might have been moved.

Can anyone help me find ver 3 of RUFZ?

It has sound card support and with my bad hearing
I need it. I can't hear the cw from the computer
speaker very well.

Thanks

73

WIMPS
12 M ST/PRV,DX 17 M ST\PRV,DX 30 M ST/PRV,DX
00--00 01--00 03--00

---

de AA1IK,
Ernie Gregoire

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741

Lead by example.

It is better to pull a string,
than to push it.

Fists # 2644, N.E.QRP # 202
QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

07/19/97 15:32:26

Date: Sat, 19 Jul 1997 14:34:59
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [23362] Can't hear W1's from 7 land
Message-ID: <3.0.1.16.19970719143459.269f9d12@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Don't fell bad, I can't hear any 7's from my Northern New Hampshire QTH. At least not on 40. In fact my signal seems to stop at the Mississippi. Points south seem to come in good, even though my antenna is optimum to the west.

I have a theory that durring times of low sun spots, the signals tend to travel along the lines of magnetic flux and they don't like to go across them. Stations more centeraly located, such as in the midwest, have a much better chance at WAS. It would be fun to graph the number of WAS vs QTH and see what it looks like.

Anyone else have similer observations?
Steve, KD1jv....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 19 Jul 1997 14:57:23
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [23363] mimimulist revisited
Message-ID: <3.0.1.16.19970719145723.269f5016@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I got to admire people who build match book sized rigs and actually make QSO's with them. But some how I don't think there will be many two way pixie QSO's. With a minmual radio like the pixie, your counting on the other guy to have a good Rx and some power behind thier Tx.

Don't get me wrong, these radios do have a place in the schiem of things. I'm just glad we don't all use them.

>From a pratical stand point, the size of a rig is limited more by the human interface. Displays can only be so small and controls placed to close together and still be easy to operate.

For me, a rig that has a front panel size of 6 to 8 inches long and 2 to 3 inches high is the smallest I want to go. Plus this sized box has enough room in it to build a decent reciever and transmitter.

Steve, KD1jv....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 19 Jul 1997 14:46:20
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU

Subject: [23364] Power levels
Message-ID: <3.0.1.16.19970719144620.2f7f7a64@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'll tell ya, if the sun don't start to make spots soon, I'll be tempted to go back to 15 - 20 watts.

I bet the 5 watt standard was set durring a solar peak period.

I ran 20 watts for a while as the propagation went down hill and found I could talk to anyone I could hear and my CQ's were quickly answered. Now that I'm using 5 watts, my reports are way down and it takes a lot longer to get a responce from a CQ.

Another problem is QRN durring the summer. QROing up to 15-20 watts can make a big diffrence to someone with QRN problems in copying your signal.

I have a nice CCCI 20 watt linear amp, just begging to be built into something. It's real tempting....

Steve, KD1jv....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 19 Jul 1997 15:21:48
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [23365] LED freq indicator for pot tuned rigs
Message-ID: <3.0.1.16.19970719152148.2f7f8e40@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I found that just having a couple of LED's that light at known frequencies to be a big help for pot tuned rigs. In fact, just one light might be all you need to mark say, 7.04 on the dial. Use three lights and you can also mark the band edges. Use four and have markers every 25 Khz, or the band edges and two marked frequencies in between .

A simple way of doing this is with a LM339 quad comparator. Depending on how many lights you want, you will also need 1-4 multi turn trim pots (10K to 100K), 1-4 LED's and limiting resistors.

Connect all the non inverting inputs (+) together. Connect these to the wiper on you tuning pot. Connect the wiper of the trim pot(s) to the

inverting (-) input of each comparator. Connect the top of the trim pots to the high side of the tuning pot and the bottom to ground. Connect the LED(s) to the comparator ouput.

Now tune the rig to the frequency you want to mark. Adjust the trim pot so the LED just turns on at that point. Repeat as nessicairy. Each LED will light as you go past it's set point.

You can build this on a small scrap piece of perf board and takes up next to no room. If power drain is a concern, use the biggest LED limiting resistors possible and still see the LED light. Also use the 100 K trimpots.

If you are clever, you can use two comparator sections to make a "window" comparator and have your LED light only when it's at the set point. This might be handy for a three light system, where you have a LED for the band edges and one that lights when you are at say, 7.04 Mhz.

Steve, KD1jv....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 19 Jul 1997 14:24:49
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [23366] SST howells
Message-ID: <3.0.1.16.19970719142449.2f7fc958@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Another thing you can try is adding a BFC say 470 ufd to 1000 ufd across the raw DC power supply leads. Ideally, wire the cap directly across the power pins of the LM386. A small resistor, say 1 to 10 ohms in series with the plus supply pin might also help. (with the cap across the audio amp power pins)
Steve, KD1jv....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 19 Jul 1997 15:30:17 -0700
From: n4js@amsat.org
To: qrp-l@Lehigh.EDU

Subject: [23367] 38 Spl Enclosure
Message-ID: <E0wpg6X-0006tj-00@admin.cyberenet.net>

My 38 Spl Custom Enclosure arrived today. What a beautiful job. I am not very good at making "pretty" enclosures, so really like this one. I got off an order to Mouser for a couple of the little pots I didn't have.


```
 _  _  _ _      _  ___   John L. Sielke n4js@amsat.org n4js@pobox.com
| \| || | |  _ | |/ __|  n4js@n4js.ampr.org  NJ Grid:FM29LN
| .` ||_  _|| || |\__ \       http://www.qsl.net/n4js
|_|\_|  |_|  \__/ |___/  NJ-QRP #57  QRP-L #884  QRP-ARCI #9328
NE-QRP #507 G-QRP #9544 CQC CQrp Norcal #1989  QCWA FISTS #2781
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Date: Sat, 19 Jul 1997 16:56:40 -0400
From: No Other Than <mitch96@herald.infi.net>
To: qrp-l@LEHIGH.EDU
Subject: [23368] iambic practice
Message-ID: <33D12A08.7948@herald.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,
As uasual, i have a question. What would you suggest as a way to practice using a iambic paddle. I dont want to get on the air and sound "digitally challenged". I want to speak "fluent" iambic qrp.
Should i get a iambic keyer and run it thru a speaker for practice? What are ur thoughts?? Inquring minds want to know.
BTW I found out what William Shakespear and CW have in common. Yup, its the iambic thing. Iambic pentamiter. I was watching a movie by Al Pacino on Richard the Third. The actor was explaining the meter of ol Will's speech as iambic pentamiter. Five(penta) groups comprised of DIT DAH. (aka, dit dah,dit dah,dit dah,dit dah,dit dah.) There words not mine. Well needless to say i fell out of the chair.
Does anyone know where the origin of iambic comes from? Did ol Willie just squeeze his nose and come up with "dit dah"?????
Mitch n4jbw ..
Aspiring qrp/cw trivia buff.

Date: Sat, 19 Jul 1997 17:09:42 EDT

From: kc4mhm@juno.com (ed miller)
To: qrp-l@Lehigh.EDU
Subject: [23369] QUESTION REPLY
Message-ID: <19970708.100904.4951.9.KC4MHM@juno.com>

Gang:
     Thanks to all that replyed to my question concerning the channlizer. I think I have replied to all direct. Everyone was in agreement that it is a 2M syntheizer for crystal controled rigs and is no longer needed except for some special purposes. Thanks to all, this is a great reflector because of all the fine people who use it. Hopefully I will some day have the experience/expertise to contribute, until then I can only say thank you.

73 de Ed

KC4MHM@juno.com

Date: Wed, 16 Jul 1997 23:40:51 utc
From: k7sz@juno.com (Richard H. Arland)
To: qrp-l@LEHIGH.EDU
Subject: [23370] QRP Classics Wattmeter Info Needed
Message-ID: <19970716.235719.4663.0.k7sz@juno.com>

Gang:

Some time ago I was told that the OHR WM-1 wattmeter closely resembled the circuit appearing in QRP Classics. The original circuit was designed by Roy Lewallen, W7EL, if memory serves.

Does anyone have a copy of this ARRL pub and, if so, can I get a copy of the article with schematic?

73 es tnx.

rich K7SZ

Date: Sat, 19 Jul 1997 22:40:28 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [23371] Iambic Keying
Message-ID: <199707192140.WAA16705@chuck.dallas.sgi.com>

Gang,

Let me throw in my usual two cents worth.

1. Chose mode A or B and stick with it. My preference is mode B, but don't let that influence you one way or the other. It just takes practice. I think I'll get a bumper sticker that says "REAL CW OPS USE MODE B" and see many flames I get for that. ;-)

2. First thing you do is you write down the alphabet A through Z. Then you set up the paddle, keyer with it's oscillator or a rig into a dummy load (easy to do at low power). Run through the alphabet sending each letter ten times. Leave lots of spacing between the letters. I'd recommend you start the keying speed about 15wpm or so. Not too slow though.

   And with all the rigs that this group has built any of them into a dummy load (homebrew or otherwise) will work just nicely. Good check of the rig at the same time.

   I have thought about getting on 30M at 3am and do this just to see if the band was really dead. :-)

3. Repeat step 2 until you can go all the way through the alphabet without a single keying error while keying each letter ten times.

4. Concentrate on a light touch (you aren't pounding brass anymore and you don't have a 1/2 pound weight on a long lever that you have to get to vibrate) and a small spacing on the contacts. I know guys that refuse to believe in this and until they cross over that fine line you will never get good at it. The physics of it is pretty simple. That is why WBL paddles are loved by a lot of high speed guys. You can get a light touch and you can get a finely adjusted narrow gap on the contacts. Same with the Mercury paddle, the Envirotronic and the Brass Racer. Lately I have been playing with the Bencher with the MFJ keyer. Someone needs to sell a mod kit to supply a lighter spring. If you got one for $10, you could get rich and I mean rich. I'll buy one just to have it.

   All the years of complaining that I have heard about the Bencher flying apart while someone was keying immediately told me that the individual had too large a spacing and was pushing too hard. I can put any paddle on a slick surface and send without it moving as long as the coefficient of friction is not zero, i.e. not on a surface like ice. I have never had a Bencher fly apart on me but there were two models. I think the latest ones over the years have the locking screw in the lower 2/3's of the yoke. It should only be lose by about 1/16" or so. :-) Yet another reason for having close spacing on the contacts and

movement.

5. With Iambic Keying you only need to move one or two times for most characters. Only X and P require you to make three closures and releases. Don't think like you are sending with a bug. Forget it.

   One Paddle Stroke --- E H I M O S T 0 (zero) 5
   Two Paddle Strokes -- A B C D F G J K L N Q R U V W Y Z
                         1 2 3 4 5 6 7 8 9
   Three Paddle Strokes P X

4. Add in , . / ? and the numbers. DO NOT COUNT while sending numbers. Bad habit if you have it and almost impossible to break. It's a killer. Add in ( ) - = " ' and all the other symbols. :-) ;-)

5. OK, now get a recorder and the newspaper, book, or a newsletter and start at the beginning and send all the text you can bear to send. :-) Then go off and listen on the air for an hour or so. Come back and play back the tape and copy what you sent. Can you copy? Is the spacing beautiful? Can you tell that it is good? bad? Need more practice?

   I can already tell you that the tendency is to rush characters together. Relax and watch the spacing. It should be a master concert of rhythm.

   I like the CMOS III 'cuz you can turn on the monitor and practice when you need to and you know your speed too. But any good iambic keyer with a monitor will do nicely for this exercise. I still like the old AEA CK-2 keyer too when I need a monitor to demo something.

6. Next step is to make believe you are two people and send CQ and carry on a short QSO. Comfortable with the prosigns? Q-signals? Abbreviating?

And I don't think you can do this in one 1/2 hr session. It may take you a few days or a week or a month. Noone cares. Just take your time and have patience. If it was easy everyone would be doing it.

OK now tiger, go out and get on the air. Do it every day or you are going to lose it. You spent a lot of time and energy to get good, now show us on the air. Be looking for you.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/adams/
K5FO online Morse Code course --- see the home page
WIMPS: Qs=043 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=015

Date: Sat, 19 Jul 1997 16:40:21 -0500 (CDT)
From: KG0ZT <pugrad@millcomm.com>
To: "QRP-L --> Post to list" <QRP-L@LEHIGH.EDU>
Subject: [23372] BB #47 - Operating location
Message-ID: <Pine.GSO.3.95.970719163604.26457A-100000@midas.millcomm.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Greetings all...

Bumblebee #47, Dave - KG0ZT, will be operating from the shade of an apple tree on a ridge in the "back 40" of a local apple orchard, east of the home QTH in Rochester, Minnesota.

72 Dave


```
   **********************************************************************
   *                                                                    *
   *   72 / 73  KG0ZT   Dave Cary    Rochester, MN                     *
   *                    ARRL VE      QRP-L # 979                       *
   *                                                                    *
   *                    pugrad@millcomm.com                           *
   *                                                                    *
   **********************************************************************
```

Date: Sat, 19 Jul 1997 17:48:36 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: NilsBull@aol.com, qrp-l@Lehigh.EDU
Subject: [23373] Re: ANTENNA TUNING
Message-ID: <970719174835_-90007803@emout12.mail.aol.com>

NILS,
Thanks for the info on the antennas. You know you should write a book (if you haven't already. Ypur are pretty interesting and informative. Ur OK for a navy man (I'm Coast Guard myself (retired)...the shallow water guys).

I am starting to see all the tradeoffs in antenna selection. Reading just this AM about dipoles need to be at least the same height as one of its legs (1/2 wave dipole needs to be 1/1 wave high). Also read where you gain almost a 2 db gain with a 1/2 wave over a 1/4 wave. In theory a 1/2 wave up over 60 feet and fed with open ladder would be about as gud as you might expect. The higher you get the antenna the more susceptable it will be to picking up

"line" noises from power and telephone lines.

If you can't get it up 60 feet (Im talking abt the antenna) then the sloper may have an advantage because it gives you sort of the advantages of both the dipole and the vertical with only some directional characteristics.

>From all the input I have received, ladder fed antennas seem to have the greatest advantage because it seems to compensate for operating off the resonant frequency. If it was that easy there would be no challenge...Thanks again for the input...Alan...KB7MBI

Date: Sat, 19 Jul 1997 16:44:21 -0400
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
To: eax@w3eax.umd.edu, qrp-l <qrp-l@Lehigh.EDU>, tentec@contesting.com
Subject: [23374] Stuff for sale!
Message-ID: <Pine.3.89.9707191629.C31500-0100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Standard C188A 2m handheld. Thin, and NEW! 10 months left on warranty. Tone encode and decode, wideband receive (500-200 MHz). Selling at MRC (Maryland Radio) for $240+tax, asking $180.

Optoelectronics frequency coutner, 1300H, up to 1.3 GHz, handheld with LED display. 8-digit display. Built from kit in 1988. Built-in batteries, with charger. Two gate speeds. $75.

Kenwood TR-2500, excellent condition, 13 years old. Heavy leather case, 3 batteries, desk charger (rapid charge). $120.

Pro-26 handheld scanner radio, 25-1300 MHz. New condition, with leather case and charger. 200 channels. Hyperscan. $300/offer.

Pro-2039 desktop scanner with built-in power supply, hyperscan, 200 channels, box and manual. $249 new, asking $160. New condiition.

A&A 20 meter QRP CW rig, with manual. Complete except missing 5 "junkbox-type" ICs. $75.

My beloved Ten-Tec OMNI V with power supply/speaker. CW/SSB/FM, like new. Superb receiver. Best I've ever had. $1400 for both. Boxes, manuals, etc.

Kantronics KAM, VHF/HF multimode controller. Excellent condition, manuals, older (1990 but working) firmware. $125.

Icom 735, with CW filter. Excellent condition, new logo. $650.

Icom AT-150 antenna tuner - automatic! Three coaxes plus one random
wire. Automatic bandswitching via IC-735 with supplied cable. Matches
the 735. $500 new, asking $285, with manual.

Icom PS-55 power supply, matches the 735. Manual. $175.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** Hamfest, life's simple joy *

Date: Sat, 19 Jul 1997 23:26:52 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: k7sz@juno.com
Cc: qrp-l@LEHIGH.EDU
Subject: [23375] Re: QRP Classics Wattmeter Info Needed
Message-ID: <199707192226.XAA16778@chuck.dallas.sgi.com>

OK, Rich and some other people aren't going to like this, but
enough is enough!! I have to do this publicly as the last
posting and email didn't seem to catch on.

The tirade posting that I went into within the recent past was due to
a posting by Rich mentioning who would want to pay list prices
for equipment and in reference to an OHR WM? Looks like he was
successful on getting one cheap. It was not postings on quirks or
bad problems with rigs that sent me off into the twilight zone.

Now we have a public request that someone might violate of copyright laws,
if I understand the point of the law correctly. And this from a
author of some note? Would he like it if someone asked for a
chapter of one of his books? And the "QRP Classics" is still in print.
I can understand the possibility of a request for something out of print.

Here is where the problem escalates. There are a number of us that support
the ARRL and the reprints of QRP articles written by a number of
prominent people --- Doug DeMaw, Roy Lewallen, Zack Lau, Wes Hayward,
and I can continue the name dropping. We do this by buying "QRP Classics"
and the other books and the new one "QRP Power". In order for these books
to stay in print, people have to continue to buy it. This should include
you Rich.

Yes, the WM-1 circuit looks like the one by Roy Lewallen, W7EL, in "A Simple and Accurate QRP Directional Wattmeter" on page 217 of "QRP Classics" as published by the ARRL. What's the point?

In June at HamCom in Dallas, I had 25 copies of "Low Power Communications - Vol 2 Advanced QRP Operating" by Richard Arland, K7YHA, published by Tiare Publications. Publication date 1994.

I had it on sale for $5 in order for a club to recoop some of the funds expended for a large number of issues of this book. I was only able to sell two copies. So I will make the same offer to this group of $5 and $3 for priority mail service in the USofA. Send me email if interested gang. I have to count them if I should get overwhelmed by this offer. :-) I have not seen the book in bookstores and on the newstands, so I don't think this undercuts any current sales in progress. Besides, the author already got the royalities.

The whole point here is that the playing field is large. We have seen the publication '72' by the New England QRP Club cease recently. There is a lot of competition and only a few people willing to stick their neck out and put stuff in print. Once it is print it is an open discussion. Subject to all the reviews of all the reviewers in the world.

Ron Stark, Doug Hendricks, and a multitude of others expend a lot of time and energy in producing publications. Vendors spend a lot of R&D to deliver a product. If people take shortcuts to get something for nothing or not support them, they will die and we all lose. It only takes a few to start the ball rolling. I personally don't think that people should ask someone to copy an entire issue unless it was one lost. Missed issues due to laps in dues is not an excuse. I have seen that one.

It is going to take the continued support of the QRP community, both in time and money to keep all the vendors alive and well and all the clubs functioning. Everyone is critical. Yes, I understand that there are different economic considerations on just how much one can and will expend for a hobby and that is what this is.

So, my point is, lead by example and hope it is a good one. Don't do things in a public forum that may set a bad example. Buy the books. Everyone in this group should over a period of time collect all the books apropos to QRP. Get the reprints and get the collections. Money well spent.

My $0.02 on the subject. Sorry for the bandwidth gang, but it got to

me big time. Again, apologies to OHR and the other vendors.
Apologies to the ARRL which to my knowledge produces the most number
of books at the present time apropos to QRP. IMHO.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/adams/
K5FO online Morse Code course --- see the home page
WIMPS: Qs=043 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=015

Date: Sat, 19 Jul 1997 18:35:04 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [23376] Heathkit Owners List
Message-ID: <19970720.061525.8087.1.n4so@juno.com>

This is for Heathkit owners and collectors, there is now a
free Internet mailing list for you.
To subscribe to the list, send a message to: listserv@listserv.tempe.gov
and in the body of your message include one line:
subscribe heath (your real name, not call sign)

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Sat, 19 Jul 97 15:37:52 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-l@LEHIGH.EDU (qrp)
Subject: [23377] Attitude - deleate if you don't like non qrp stories
Message-ID: <9707192237.AA28022@wizard.ucs.sfu.ca>

>
> This is a good one!
>
> ATTITUDE IS EVERYTHING
>
>   Jerry was the kind of guy you love to hate. He was always in a good
> mood

> and always had something positive to say. When someone would ask him how he
> was doing, he would reply, "If I were any better, I would be twins!"
>   He was a unique manager because he had several waiters who had
> followed him
> around from restaurant to restaurant. The reason the waiters followed Jerry
> was because of his attitude. He was a natural motivator. If an employee was
> having a bad day, Jerry was there telling the employee how to look on the
> positive side of the situation.
>   Seeing this style really made me curious, so one day I went up to
> Jerry and
> asked him, "I don't get it! You can't be a positive person all of the time.
> How do you do it?"
>   Jerry replied, "Each morning I wake up and say to myself, Jerry, you
> have
> two choices today. You can choose to be in a good mood or you can choose to
> be in a bad mood.' I choose to be in a good mood. Each time something bad
> happens, I can choose to be a victim or I can choose to learn from it. I
> choose to learn from it. Every time someone comes to me complaining, I can
> choose to accept their complaining or I can point out the positive side of
> life. I choose the positive side of ife."
>   "Yeah, right, it's not that easy," I protested.
>   "Yes it is," Jerry said. "Life is all about choices. When you cut
> away all
> the junk, every situation is a choice. You choose how you react to
> situations. You choose how people will affect your mood. You choose to be in
> a good or bad mood. The bottom line: It's your choice how you live life."
>   I reflected on what Jerry said.
>   Soon thereafter, I left the restaurant industry to start my own
> business.
> We lost touch, but I often thought about him when I
> made a choice about life instead of reacting to it.
>   Several years later, I heard that Jerry did something you are never
> supposed
> to do in a restaurant business: he left the back door open one morning and
> was held up at gun point by three armed robbers. While trying to open the
> safe, his hand, shaking from nervousness, slipped off the combination. The
> robbers panicked and shot him.
>   Luckily, Jerry was found relatively quickly and rushed to the local
> trauma
> center. After 18 hours of surgery and weeks of intensive care, Jerry was
> released from the hospital with fragments of the bullets still in his body.
>   I saw Jerry about six months after the accident. When I asked him how
> he
> was, he replied, "If I were any better, I'd be twins. Wanna see my scars?"
> I declined to see his wounds, but did ask him what had gone through his mind
> as the robbery took place.
>   "The first thing that went through my mind was that I should have
> locked the

> back door," Jerry replied. "Then, as I lay on the floor, I remembered that I
> had two choices: I could choose to live, or I could choose to die. I chose
> to live."
>   "Weren't you scared? Did you lose consciousness?" I asked.
>   Jerry continued, "The paramedics were great. They kept telling me I
> was
> going to be fine. But when they wheeled me into the emergency room and I saw
> the expressions on the faces of the doctors and nurses, I got really scared.
> In their eyes, I read, 'He's a dead man.' I knew I needed to take action."
>   "What did you do?" I asked.
>   "Well, there was a big, burly nurse shouting questions at me," said
> Jerry.
> "She asked if I was allergic to anything. 'Yes,' I
> replied. The doctors and nurses stopped working as they waited for my
> reply..I took a deep breath and yelled, 'Bullets!' Over their laughter, I
> told them, 'I am choosing to live. Operate on me as if I am alive, not dead."
>   Jerry lived thanks to the skill of his doctors, but also because of
> his
> amazing attitude. I learned from him that every day we have the choice to
> live fully. Attitude, after all, is everything. You have 2 choices now:
> 1.save and delete this mail from your mail box. 2. forward it your dear ones
>   Hope, you will choose choice 2.
>
>
> >
> >
>
>

End of QRP-L Digest 792
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